

Title (en)

Method and paint supply system for an electrostatic coating station and coupling system therefore

Title (de)

Verfahren zur Farbversorgung einer elektrostatischen Beschichtungsvorrichtung und Kupplungseinrichtung hierfür

Title (fr)

Méthode et système d'alimentation de peinture pour une installation de revêtement électrostatique et système de liaison pour cela

Publication

**EP 1502656 A2 20050202 (DE)**

Application

**EP 04017646 A 20040726**

Priority

DE 10334413 A 20030728

Abstract (en)

The method for the supply of colour to an electrostatic coating device (3) involves coating material flowing from a container (12A,12B) in a potential isolating unit (1) connected to a colour supply unit (10) lying on an earth potential to the coating device via a connecting line arrangement (2). The container is connected directly to the colour supply valve (10A,10B) of the colour in use. The container is movable back and forth by an automatic drive unit between the colour supply valves and a colour extraction valve (14A,14B) to which is connected the connecting line (2A,2B) leading to the coating device. Independent claims are also included for the following: (a) a unit for the supply of colour to an electrostatic coating device; and (b) a connecting device for the aforesaid colour supply unit.

Abstract (de)

Eine Potenzialtrenneinheit (1) einer elektrostatischen Beschichtungsanlage enthält mindestens einen Farbvorratsbehälter (12A, 12B), der unter Bildung einer elektrischen Isolierstrecke zwischen Hochspannungs- und Erdpotenzialpositionen hin- und herbewegbar ist. Der Behälter (12A, 12B) wird hierbei einerseits an eine zu der Beschichtungsvorrichtung (3) führende molchbare Verbindungsleitung (2) angedockt und andererseits direkt an ein Farbversorgungsventil (10A, 10B) der jeweils verwendeten Farbe angekuppelt.

IPC 1-7

**B05B 5/16**

IPC 8 full level

**B05B 5/16** (2006.01); **B05B 7/04** (2006.01); **B05B 7/26** (2006.01); **B05B 12/14** (2006.01)

IPC 8 main group level

**B05B 12/00** (2018.01)

CPC (source: EP)

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DOCDB simple family (publication)

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